

## EAST Search History

| Ref # | Hits   | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|--------|---|---|------------------|---------|------------------|
| L1    | 2      | ("5956288").PN.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/08/17 18:30 |
| L2    | 1432   | 710/100.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/08/17 18:31 |
| L3    | 3277   | 711/1-6.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/08/17 18:32 |
| L4    | 930    | l2 l3   | US-PGPUB                                    | OR               | ON      | 2006/08/17 18:33 |
| L5    | 435    | l4 and (memory with controller)   | US-PGPUB                                    | OR               | ON      | 2006/08/17 18:34 |
| S2    | 50     | ("5721875" "5864244" "5424659"<br>"5504439" "5553001" "5737234"<br>"6034547" "6027802" "4833559"<br>"5249160" "5287464" "4782381"<br>"5545920" "5589420" "5683936"<br>"6020616" "6162697" "5732250"<br>"5903820" "6026017" "6088263"<br>"6097236" "6239667" "4607139"<br>"4618907" "4805007" "4806923"<br>"4851964" "4858819" "4907066"<br>"5008770" "5298806" "5594690"<br>"5638007" "5675336" "5736867"<br>"5838606" "5946558" "5953215"<br>"6034571" "6043119" "6084461"<br>"4488067" "4531068" "6100715"<br>"6181166" "4498022" "5656950"<br>"5748556" "6262599").pn. | US-PGPUB;<br>USPAT                          | OR               | ON      | 2006/03/04 20:46 |
| S21   | 74667  | memory near2 controller   | US-PGPUB;<br>USPAT                          | OR               | ON      | 2006/03/04 20:47 |
| S22   | 367108 | share shared sharing  | US-PGPUB;<br>USPAT                          | OR               | ON      | 2006/03/04 20:47 |
| S23   | 13572  | S22 near2 line  | US-PGPUB;<br>USPAT                          | OR               | ON      | 2006/03/04 20:48 |
| S24   | 81     | S21 with S22 with S23   | US-PGPUB;<br>USPAT                          | OR               | ON      | 2006/03/04 21:26 |
| S25   | 6      | US-6189076-\$.DID. OR<br>US-6125421-\$.DID. OR<br>US-5822776-\$.DID. OR<br>US-5907862-\$.DID. OR<br>US-5790609-\$.DID. OR<br>US-5784582-\$.DID.   | US-PGPUB;<br>USPAT                          | OR               | ON      | 2006/03/04 21:55 |
| S26   | 759    | shared adj signal   | US-PGPUB;<br>USPAT                          | OR               | ON      | 2006/03/04 21:55 |

## EAST Search History

|     |        |                                   |                    |    |    |                  |
|-----|--------|-----------------------------------|--------------------|----|----|------------------|
| S27 | 44185  | memory adj controller             | US-PGPUB;<br>USPAT | OR | ON | 2006/03/04 21:55 |
| S28 | 994835 | user                              | US-PGPUB;<br>USPAT | OR | ON | 2006/03/04 21:56 |
| S29 | 6      | S26 with S27                      | US-PGPUB;<br>USPAT | OR | ON | 2006/03/04 21:57 |
| S30 | 7179   | dedicated with shared             | US-PGPUB;<br>USPAT | OR | ON | 2006/03/04 21:57 |
| S31 | 557    | S30 with signal                   | US-PGPUB;<br>USPAT | OR | ON | 2006/03/04 21:57 |
| S32 | 33     | S31 with user                     | US-PGPUB;<br>USPAT | OR | ON | 2006/03/04 21:58 |
| S33 | 71     | S31 with memory                   | US-PGPUB;<br>USPAT | OR | ON | 2006/03/04 21:58 |
| S34 | 0      | S32 with memory                   | US-PGPUB;<br>USPAT | OR | ON | 2006/03/04 21:58 |
| S35 | 0      | S32 same memory                   | US-PGPUB;<br>USPAT | OR | ON | 2006/03/04 21:59 |
| S36 | 33452  | user adj control                  | US-PGPUB;<br>USPAT | OR | ON | 2006/03/04 21:59 |
| S37 | 370    | S36 and S30                       | US-PGPUB;<br>USPAT | OR | ON | 2006/03/04 21:59 |
| S39 | 15     | S36 same S30                      | US-PGPUB;<br>USPAT | OR | ON | 2006/03/04 21:59 |
| S40 | 7179   | dedicated with shared             | US-PGPUB;<br>USPAT | OR | ON | 2006/03/05 10:52 |
| S41 | 33452  | user adj control                  | US-PGPUB;<br>USPAT | OR | ON | 2006/03/05 10:52 |
| S42 | 15     | S41 same S40                      | US-PGPUB;<br>USPAT | OR | ON | 2006/03/05 10:52 |
| S43 | 827221 | configure configurable configured | US-PGPUB;<br>USPAT | OR | ON | 2006/03/05 12:02 |
| S44 | 10154  | user adj S43                      | US-PGPUB;<br>USPAT | OR | ON | 2006/03/05 12:02 |
| S45 | 479    | S44 with memory                   | US-PGPUB;<br>USPAT | OR | ON | 2006/03/05 12:02 |
| S46 | 367108 | share shared sharing              | US-PGPUB;<br>USPAT | OR | ON | 2006/03/05 12:02 |
| S47 | 9      | S45 with S46                      | US-PGPUB;<br>USPAT | OR | ON | 2006/03/05 12:18 |
| S49 | 1351   | 710/100.ccls.                     | US-PGPUB;<br>USPAT | OR | ON | 2006/03/05 12:16 |
| S51 | 44185  | memory adj controller             | US-PGPUB;<br>USPAT | OR | ON | 2006/03/05 12:22 |

## EAST Search History

|     |         |  |                    |    |    |                  |
|-----|---------|--|--------------------|----|----|------------------|
| S52 | 6       | S44 with S51                                     | US-PGPUB;<br>USPAT | OR | ON | 2006/03/05 12:48 |
| S55 | 43036   | user near3 S43                                   | US-PGPUB;<br>USPAT | OR | ON | 2006/03/05 12:50 |
| S56 | 32      | S55 with S51                                     | US-PGPUB;<br>USPAT | OR | ON | 2006/03/05 12:50 |
| S57 | 26      | S56 not S52                                      | US-PGPUB;<br>USPAT | OR | ON | 2006/03/05 13:18 |
| S58 | 251076  | programmable configurable                        | US-PGPUB;<br>USPAT | OR | ON | 2006/03/05 13:18 |
| S59 | 4497    | S58 with pins                                    | US-PGPUB;<br>USPAT | OR | ON | 2006/03/05 13:18 |
| S60 | 456     | S59 with controller                              | US-PGPUB;<br>USPAT | OR | ON | 2006/03/05 13:19 |
| S61 | 484345  | io i?o input?output                              | US-PGPUB;<br>USPAT | OR | ON | 2006/03/05 13:19 |
| S62 | 10142   | S61 adj pin                                      | US-PGPUB;<br>USPAT | OR | ON | 2006/03/05 13:19 |
| S63 | 786     | S58 with S62                                     | US-PGPUB;<br>USPAT | OR | ON | 2006/03/05 13:20 |
| S64 | 66      | S63 with controller                              | US-PGPUB;<br>USPAT | OR | ON | 2006/03/05 13:34 |
| S65 | 3044968 | pin line   | US-PGPUB;<br>USPAT | OR | ON | 2006/03/05 13:34 |
| S66 | 19634   | S61 adj S65                                      | US-PGPUB;<br>USPAT | OR | ON | 2006/03/05 13:34 |
| S67 | 40      | shared adj S66                                   | US-PGPUB;<br>USPAT | OR | ON | 2006/03/05 13:34 |
| S68 | 116     | dedicated adj S66                                | US-PGPUB;<br>USPAT | OR | ON | 2006/03/05 13:35 |
| S69 | 4       | S67 and S68                                      | US-PGPUB;<br>USPAT | OR | ON | 2006/03/05 13:38 |
| S70 | 20      | S66 with shared with dedicated                   | US-PGPUB;<br>USPAT | OR | ON | 2006/03/05 13:49 |
| S71 | 238     | controller with S65 with (tristate<br>tri?state) | US-PGPUB;<br>USPAT | OR | ON | 2006/03/05 13:50 |
| S72 | 8       | S71 same shared                                  | US-PGPUB;<br>USPAT | OR | ON | 2006/03/05 13:57 |
| S73 | 15555   | tristate tri-state                               | US-PGPUB;<br>USPAT | OR | ON | 2006/03/05 13:57 |
| S74 | 139     | S49 and S73                                      | US-PGPUB;<br>USPAT | OR | ON | 2006/03/05 13:57 |
| S75 | 135     | S74 and S65                                      | US-PGPUB;<br>USPAT | OR | ON | 2006/03/05 14:08 |

## EAST Search History

|     |         |                                 |                    |    |    |                  |
|-----|---------|---------------------------------|--------------------|----|----|------------------|
| S76 | 3095    | 711/1-6.ccls.                   | US-PGPUB;<br>USPAT | OR | ON | 2006/03/05 14:12 |
| S77 | 387     | separate with share with S65    | US-PGPUB;<br>USPAT | OR | ON | 2006/03/05 14:23 |
| S78 | 7       | S77 with S61                    | US-PGPUB;<br>USPAT | OR | ON | 2006/03/05 14:47 |
| S79 | 549     | controller with sram with sdram | US-PGPUB;<br>USPAT | OR | ON | 2006/03/05 14:47 |
| S80 | 1506330 | shared common                   | US-PGPUB;<br>USPAT | OR | ON | 2006/03/05 14:47 |
| S81 | 51      | S79 with S80                    | US-PGPUB;<br>USPAT | OR | ON | 2006/03/05 14:47 |
| S82 | 0       | S81 with S65                    | US-PGPUB;<br>USPAT | OR | ON | 2006/03/05 14:47 |
| S83 | 8       | S81 same S65                    | US-PGPUB;<br>USPAT | OR | ON | 2006/03/05 14:53 |
| S84 | 1572205 | S80 S46                         | US-PGPUB;<br>USPAT | OR | ON | 2006/03/05 14:55 |
| S85 | 16041   | S84 adj S65                     | US-PGPUB;<br>USPAT | OR | ON | 2006/03/05 14:55 |
| S86 | 13      | S51 with S85                    | US-PGPUB;<br>USPAT | OR | ON | 2006/03/05 15:02 |
| S87 | 22018   | system near2 chip               | US-PGPUB;<br>USPAT | OR | ON | 2006/03/05 15:02 |
| S88 | 1575    | system?on?a?chip                | US-PGPUB;<br>USPAT | OR | ON | 2006/03/05 15:02 |
| S89 | 171777  | soc                             | US-PGPUB;<br>USPAT | OR | ON | 2006/03/05 15:02 |
| S90 | 191197  | S87 S88 S89                     | US-PGPUB;<br>USPAT | OR | ON | 2006/03/05 15:02 |
| S91 | 475     | S90 with S51                    | US-PGPUB;<br>USPAT | OR | ON | 2006/03/06 06:16 |
| S92 | 28461   | point?to?point                  | US-PGPUB;<br>USPAT | OR | ON | 2006/03/06 06:16 |
| S93 | 1130    | S92 near2 bus                   | US-PGPUB;<br>USPAT | OR | ON | 2006/03/06 06:17 |
| S94 | 29      | S93 with mode                   | US-PGPUB;<br>USPAT | OR | ON | 2006/03/06 06:47 |
| S95 | 1822    | multi?drop                      | US-PGPUB;<br>USPAT | OR | ON | 2006/03/06 06:47 |
| S96 | 231     | S92 with S95                    | US-PGPUB;<br>USPAT | OR | ON | 2006/03/06 06:47 |
| S97 | 128     | S96 with bus                    | US-PGPUB;<br>USPAT | OR | ON | 2006/03/06 06:48 |

## EAST Search History

|          |         |   |                    |    |     |                  |
|----------|---------|---|--------------------|----|-----|------------------|
| S98      | 0       | S97 with mode   | US-PGPUB;<br>USPAT | OR | ON  | 2006/03/06 06:48 |
| S99      | 0       | S97 with option   | US-PGPUB;<br>USPAT | OR | ON  | 2006/03/06 06:48 |
| S10<br>0 | 23      | S97 with memory   | US-PGPUB;<br>USPAT | OR | ON  | 2006/03/06 07:10 |
| S10<br>1 | 1       | "10/729873"   | US-PGPUB;<br>USPAT | OR | ON  | 2006/03/06 07:15 |
| S10<br>2 | 44185   | memory adj controller   | US-PGPUB;<br>USPAT | OR | ON  | 2006/03/06 07:15 |
| S10<br>3 | 22018   | system near2 chip   | US-PGPUB;<br>USPAT | OR | ON  | 2006/03/06 07:15 |
| S10<br>4 | 1575    | system?on?a?chip  | US-PGPUB;<br>USPAT | OR | ON  | 2006/03/06 07:15 |
| S10<br>5 | 171777  | soc   | US-PGPUB;<br>USPAT | OR | ON  | 2006/03/06 07:15 |
| S10<br>6 | 191197  | S103 S104 S105  | US-PGPUB;<br>USPAT | OR | ON  | 2006/03/06 07:15 |
| S10<br>7 | 203     | S106 with processor with S102   | US-PGPUB;<br>USPAT | OR | ON  | 2006/03/06 07:37 |
| S10<br>8 | 6086    | sdram same sram   | US-PGPUB;<br>USPAT | OR | ON  | 2006/03/06 07:39 |
| S10<br>9 | 0       | S107 same S108  | US-PGPUB;<br>USPAT | OR | ON  | 2006/03/06 07:39 |
| S11<br>0 | 106     | S107 and S108   | US-PGPUB;<br>USPAT | OR | ON  | 2006/03/06 08:02 |
| S11<br>1 | 1       | ("6816750").PN.   | US-PGPUB;<br>USPAT | OR | OFF | 2006/03/06 08:02 |
| S11<br>2 | 1       | S111 and S102   | US-PGPUB;<br>USPAT | OR | ON  | 2006/03/06 08:06 |
| S11<br>3 | 254     | memory with (pin line signal) with<br>address with data with mask with<br>control           | US-PGPUB;<br>USPAT | OR | ON  | 2006/03/06 08:07 |
| S11<br>4 | 484345  | io i?o input?output   | US-PGPUB;<br>USPAT | OR | ON  | 2006/03/06 08:08 |
| S11<br>5 | 41      | memory with (pin line signal) with<br>address with data with mask with<br>control with S114 | US-PGPUB;<br>USPAT | OR | ON  | 2006/03/06 08:12 |
| S11<br>6 | 0       | datamaks  | US-PGPUB;<br>USPAT | OR | ON  | 2006/03/06 08:12 |
| S11<br>7 | 9       | datamask  | US-PGPUB;<br>USPAT | OR | ON  | 2006/03/06 08:13 |
| S11<br>8 | 3467145 | pin line signal   | US-PGPUB;<br>USPAT | OR | ON  | 2006/03/06 08:13 |

## EAST Search History

|          |        |                                       |                    |    |    |                  |
|----------|--------|---------------------------------------|--------------------|----|----|------------------|
| S11<br>9 | 4849   | mask adj S118                         | US-PGPUB;<br>USPAT | OR | ON | 2006/03/06 08:14 |
| S12<br>0 | 190251 | data adj S118                         | US-PGPUB;<br>USPAT | OR | ON | 2006/03/06 08:15 |
| S12<br>1 | 63541  | address adj S118                      | US-PGPUB;<br>USPAT | OR | ON | 2006/03/06 08:15 |
| S12<br>2 | 423108 | control adj S118                      | US-PGPUB;<br>USPAT | OR | ON | 2006/03/06 08:19 |
| S12<br>3 | 2      | S119 with S120 with S121 with<br>S122 | US-PGPUB;<br>USPAT | OR | ON | 2006/03/06 08:24 |
| S12<br>4 | 22     | S119 same S120 same S121 same<br>S122 | US-PGPUB;<br>USPAT | OR | ON | 2006/03/06 08:26 |
| S12<br>5 | 17     | S124 same memory                      | US-PGPUB;<br>USPAT | OR | ON | 2006/03/06 08:45 |
| S12<br>6 | 55     | processor with S102 with crossbar     | US-PGPUB;<br>USPAT | OR | ON | 2006/03/06 08:45 |
| S12<br>7 | 0      | S126 with swtich                      | US-PGPUB;<br>USPAT | OR | ON | 2006/03/06 08:45 |
| S12<br>8 | 32     | S126 with switch                      | US-PGPUB;<br>USPAT | OR | ON | 2006/03/06 08:59 |
| S12<br>9 | 0      | S128 with mux                         | US-PGPUB;<br>USPAT | OR | ON | 2006/03/06 08:46 |
| S13<br>0 | 0      | S128 with multiplexor                 | US-PGPUB;<br>USPAT | OR | ON | 2006/03/06 08:46 |
| S13<br>1 | 0      | S128 with multiplexer                 | US-PGPUB;<br>USPAT | OR | ON | 2006/03/06 08:46 |
| S13<br>2 | 5      | S128 same multiplexer                 | US-PGPUB;<br>USPAT | OR | ON | 2006/03/06 08:46 |
| S13<br>3 | 541    | multiplexer with crossbar             | US-PGPUB;<br>USPAT | OR | ON | 2006/03/06 09:08 |
| S13<br>4 | 1723   | S102 with sdram                       | US-PGPUB;<br>USPAT | OR | ON | 2006/03/06 09:09 |
| S13<br>5 | 22060  | row adj address                       | US-PGPUB;<br>USPAT | OR | ON | 2006/03/06 09:09 |
| S13<br>6 | 5      | S135 adj management                   | US-PGPUB;<br>USPAT | OR | ON | 2006/03/06 09:12 |
| S13<br>7 | 3095   | 711/1-6.ccls.                         | US-PGPUB;<br>USPAT | OR | ON | 2006/03/06 09:12 |
| S13<br>8 | 317    | S137 and sdram                        | US-PGPUB;<br>USPAT | OR | ON | 2006/03/06 09:12 |
| S13<br>9 | 129    | S138 and sram                         | US-PGPUB;<br>USPAT | OR | ON | 2006/03/06 09:12 |
| S14<br>0 | 100    | S139 and row                          | US-PGPUB;<br>USPAT | OR | ON | 2006/03/06 09:14 |

## EAST Search History

|          |       |  |                    |    |    |                  |
|----------|-------|--|--------------------|----|----|------------------|
| S14<br>1 | 1729  | row with management                        | US-PGPUB;<br>USPAT | OR | ON | 2006/03/06 09:12 |
| S14<br>2 | 0     | S139 and S141                              | US-PGPUB;<br>USPAT | OR | ON | 2006/03/06 09:13 |
| S14<br>3 | 2     | S138 and S141                              | US-PGPUB;<br>USPAT | OR | ON | 2006/03/06 09:19 |
| S14<br>4 | 22060 | row adj address                            | US-PGPUB;<br>USPAT | OR | ON | 2006/03/06 09:19 |
| S14<br>5 | 84    | S139 and S144                              | US-PGPUB;<br>USPAT | OR | ON | 2006/03/06 09:20 |
| S14<br>6 | 117   | S144 same sdram same sram                  | US-PGPUB;<br>USPAT | OR | ON | 2006/03/06 09:20 |
| S14<br>7 | 6     | S107 with shared                           | US-PGPUB;<br>USPAT | OR | ON | 2006/03/06 09:22 |
| S14<br>8 | 0     | S107 with S95                              | US-PGPUB;<br>USPAT | OR | ON | 2006/03/06 09:22 |
| S15<br>0 | 0     | S107 same S95                              | US-PGPUB;<br>USPAT | OR | ON | 2006/03/06 09:22 |
| S15<br>1 | 2     | "l116" same multiplexed                    | US-PGPUB;<br>USPAT | OR | ON | 2006/03/06 09:23 |
| S15<br>2 | 20    | "l16" same multiplexed                     | US-PGPUB;<br>USPAT | OR | ON | 2006/03/06 09:23 |
| S15<br>3 | 1     | S107 same multiplexed                      | US-PGPUB;<br>USPAT | OR | ON | 2006/03/06 09:28 |
| S15<br>4 | 1148  | S144 with sdram                            | US-PGPUB;<br>USPAT | OR | ON | 2006/03/06 09:28 |
| S15<br>5 | 0     | S154 with independetn                      | US-PGPUB;<br>USPAT | OR | ON | 2006/03/06 09:29 |
| S15<br>6 | 1     | S154 with independent                      | US-PGPUB;<br>USPAT | OR | ON | 2006/03/06 09:44 |
| S15<br>7 | 1     | sdram with ras with continuous             | US-PGPUB;<br>USPAT | OR | ON | 2006/03/06 09:40 |
| S15<br>8 | 19027 | back?to?back                               | US-PGPUB;<br>USPAT | OR | ON | 2006/03/06 09:40 |
| S15<br>9 | 78    | S158 near2 transaction                     | US-PGPUB;<br>USPAT | OR | ON | 2006/03/06 09:41 |
| S16<br>0 | 39    | continous near2 control                    | US-PGPUB;<br>USPAT | OR | ON | 2006/03/06 09:44 |
| S16<br>1 | 11    | sdram with burst with transaction          | US-PGPUB;<br>USPAT | OR | ON | 2006/03/06 09:44 |
| S16<br>2 | 1     | S156 and burst                             | US-PGPUB;<br>USPAT | OR | ON | 2006/03/06 09:48 |
| S16<br>3 | 84    | S102 with shared with data with<br>address | US-PGPUB;<br>USPAT | OR | ON | 2006/03/06 09:49 |

## EAST Search History

|          |    |   |                    |    |    |                  |
|----------|----|---|--------------------|----|----|------------------|
| S16<br>4 | 0  | S163 with S106                                  | US-PGPUB;<br>USPAT | OR | ON | 2006/03/06 09:49 |
| S16<br>5 | 0  | S163 same S106                                  | US-PGPUB;<br>USPAT | OR | ON | 2006/03/06 09:49 |
| S16<br>6 | 76 | S102 with multiplexed with data<br>with address | US-PGPUB;<br>USPAT | OR | ON | 2006/03/06 09:49 |
| S16<br>7 | 17 | "5623645"                                       | US-PGPUB;<br>USPAT | OR | ON | 2006/03/06 10:07 |